CP-TW2503 LCD Projector

HITACHI
Inspire the Next

Ultra short throw LCD projector with a suite of advanced features delivering a complete interactive experience.

Key Features

- WXGA 1280 x 800 resolution
- 2,700 ANSI lumens white/color output
- 5000:1 contrast ratio
- HDMI 2 inputs
- Powered Focus / Perfect Fit
- Interactive pens
- Auto-calibration
- Multi-pen capability
- PC-less drawing
- Multi-display interactive
- HDCR/Accentualizer

FREE!
StarBoard Interactive Software

The innovative interactive CP-TW2503 features an ultra short throw design and integrates Hitachi's powerful software to deliver a complete interactive experience on any flat surface. With a rich feature set that meets the specific interactive needs of K-12, higher education, and corporate users, the CP-TW2503 is both easy to install and easy to calibrate. It provides vibrant image quality with cost-effective operation and produces large images in small spaces. New generation interactive features include interactive pen, multiple pen capability, auto-calibration, PC-less drawing, and multi-display interactive. Additionally, a suite of advanced features normally found only on the higher end models includes High Dynamic Contrast Range (HDCR), 2 HDMI ports, and Hitachi's original technology Accentualizer that allows the projected image to appear more real by enhancing sharpness, gloss and shade. As with all Hitachi projectors, you can expect vibrant image quality, cost-efficient operation, and long-lasting reliability. Plus, Hitachi's Intelligent Eco and Saver Modes with ImageCare combines optimal picture performance with energy-savings for a lower total cost of ownership. For added peace of mind, Hitachi's CP-TW2503 is also backed by a generous 3 year warranty and our world-class service and support programs.

CP-TW2503

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3LCD

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UNIQUE FEATURES

Accentualizer

Hitachi original technology makes pictures look more real by enhancing sharpness, gloss and shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colors of projected images are the actual colors of the objects they represent.

HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increas ing contrast occurs. This results in clear images even in bright rooms.

Cloning Function

settings
settings

Copy setting data from one projector to others of the same model via USB memory. Cloning not only saves almost all PJ settings such as gamma and keystone via USB memory, it saves countless hours in setup and installation.

ImageCare Technology

ImageCare

ImageCare is a lamp power control function that combines optimal picture performance with maximum energy savings by decreasing energy usage, improving contrast ratio and lengthening lamp life. The result is a lower total cost of ownership and decreased maintenance cost.

Intelligent Eco and Saver Modes

Automatically changes the brightness of the lamp according to the brightness level of the screen. Also, automatically changes the brightness of the lamp if there is no change in the screen image. Using ImageCare technology, these features give optimal picture performance with maximum energy savings.

Perfect Fit 2

PF 2

Enables the user to adjust individual corners and sides independent of one another. Perfect Fit 2 provides vertical and horizontal digital correction of either barrel or pin cushion distortions. This feature helps correct geometric and complicated distortions. Perfect Fit 2 allows the projected image to fit correctly to the screen quickly and easily.

Projector Quick Connection App For Mobile Devices

Our iOS application offers projector control and also provides the capability to display photos, document files and web site contents. Available for iPad®, iPhone® and Android devices. Works over your LAN via your RJ-45 port or via an optional USBWL11N wireless adapter.

Tabletop Presentation

Make any tabletop a projection screen using the optional tabletop stand. Ideal for a small group environment or in a room with limited space.

STANDARD FEATURES

Input Source Naming

Laptop
DVD Player
Document Camera

Users can name input sources in simple language instead of factory default names.

Microphone Input

A microphone can be used via the jack located on the input panel. Allows for more dynamic presentations even in standby mode.

Network Control, Maintenance and Security

Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Features include scheduling of events, centralized reporting, image transfer and e-mail alerts for reactive and routine maintenance.

PC-Less Presentation

By using a USB memory stick or other storage device, you can use the projector without a computer. Menus are easy to see with a thumbnail display. Additionally there is also a slideshow and video function.

PIN Lock / MyScreen / MyText

PIN lock protection can limit projector users. MyScreen PIN lock keeps captured images on the startup screen. Users can set any name logo to MyScreen, clearly identifying ownership. MyText provides the ability to write text on the startup screen such as model name, serial number or location.

PJMessenger

ALERT!!!

PJMessenger function allows you to send and display text messages and audio alerts on your networked projectors. It is an easy and efficient way to send announcements out to multiple units.

Present Content via LAN

LAN

Hitachi's suite of networking software allows you to easily send content directly from your PC to the projector via your LAN connection.

Starboard Interactive Presentation Software

Hitachi's world-class interactive StarBoard Software (SBS) is the next standard in collaboration, information sharing and dynamic presentation software. With a customizable interface and toolbar, Starboard streamlines your workflow and improves production.

Template Function

Line templates in the projector menu can help when writing on a whiteboard. There are four types of line templates to choose from.

Wireless Presentation Compatible

Connect the projector to a computer or your network using the optional USB wireless adapter (part number USBWL11N). The adapter supports IEEE802.11b/g and 11n.

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New generation interactive projector for education and corporate environments.

The CP-TW2503 ultra short throw interactive LCD projector from Hitachi is specifically designed to enhance the visual experience — from the audience to presenters. Whether in a classroom or executive boardroom, the CP-TW2503 is the perfect solution.

With 2,700 ANSI lumens brightness and WXGA 1280 x 800 resolution, the CP-TW2503 will captivate the full attention of any audience by delivering your message with clarity and impact. Vivid colors. Bold graphics. Crisp text. It also features a high contrast ratio, long lamp life, cloning function enabling you to copy settings data from one projector to others of the same model, and is wireless presentation ready. Plus, embedded networking gives you the ability to manage and control multiple projectors over your LAN (scheduling of events, centralized reporting, image transfer and email alerts). Best of all, the high performance CP-TW2503 is exceptionally reliable and offers a very low cost of ownership.

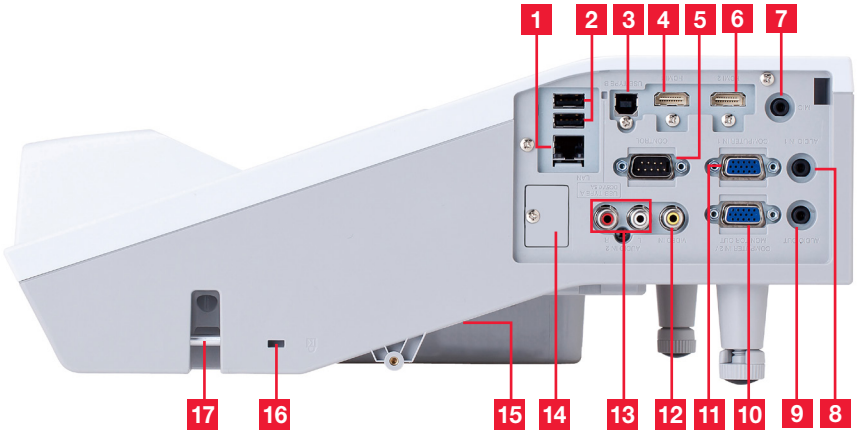
3/4 View
(with cable cover)

Front View (without cable cover)

Top View (with cable cover)

Wall Mounted (with cable cover)

Input/Outputs



1. LAN
2. USB Type A x 2
3. USB Type B
4. HDMI 1
5. Control (RS-232C)
6. HDMI 2
7. Microphone Input
8. Audio in
9. Audio out
10. Computer in 2/ Monitor out
11. Computer in 1
12. Video in
13. Audio in 2
14. Finger Touch Unit Power
15. AC in (located on back side of the projector)
16. Kensington Lock
17. Security Bar

3LCD Technology

Closed Captioning

Crestron Integrated Partner

AMX Device Discovery

Hitachi Trade-Up Program

3 Year Warranty

HDMI

CP-TW2503

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Accessories	
Supplied Accessories	Remote control, power cord, computer cable, USB cable, interactive software DVD, interactive pen x 2, pen tips x 4, user's manual
Optional Accessories	Interactive pen (I-PEN3), interactive pen tip x12 (I-PEN3 Tip), wall mount (HAS-WM03), wall adapter for 16" (HAS-WA16), table stand kit (TT03), bracket for Apple TV (HAS-RB01), adapter for A3 wall mount (HAS-WB01), adapter for A100 wall mount (CPA100ADPA7), wireless adapter (USBWL11N), MS-1, MS-1WL multifunction switchers

Replacement Parts	
Lamp	DT01411 with filter
Remote Control	HL03033
Filter	UX37191

Projection Throw Chart (In inches)

Screen Size 16:10	Throw Distance	
Diagonal	**Distance from edge of projector to screen**	**Distance from mirror cover to screen**
60	5.0	16.1
70	7.8	18.9
80	10.5	21.6
90	13.3	24.4
100	16.1	27.1

Throw Ratio: (distance : width)
0.2 : 1 from edge of projector
0.3 : 1 from mirror cover

- Comes bundled with Hitachi interactive projectors
- World-class integrated software
- Collaborate, integrate, annotate

Specifications		
Display	**Projection Technology**	3LCD, 3 chip technology
	Resolution	WXGA 1280 x 800
	White Light Output	2,700 ANSI lumens
	Color Light Output	2,700 ANSI lumens
	Colors	16.7 million colors
	Aspect Ratio	Native 16:10 / 4:3 and 16:9 compatible
	Contrast Ratio	5000 : 1 (using active IRIS)
	Throw Ratio (distance : width)	0.2 : 1 from edge of projector to screen 0.3 : 1 from mirror cover to screen
	Focus Distance	16" - 27" from mirror cover to screen
	Display Size	60" - 100"
Lens & Operation	**Lens**	F = 1.8, f = 4.21 mm
	Lamp Wattage	250W
	Expected Lamp Life*	Approximately 4,000 hours (standard mode) 6,000 hours (Eco mode)
	Expected Filter Life**	Approximately 4,000 hours
	Speaker Output	16W
	Keystone	H and V: +/- 5°
Compatibility	**Computer**	VGA, SVGA, XGA, WXGA, WXGA+/SXGA/WSXGA+/UXGA (compressed), MAC 16"
	H-Sync	15 kHz - 106 kHz
	V-Sync	50 Hz - 120 Hz
	Composite Video	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
	Component Video	480i, 480p, 576i, 720p, 1080i, 1080p
	HDMI	480i, 480p, 576i, 720p, 1080i, 1080p, computer signal TMDS clock 27 MHz - 150 MHz
	USB Connection***	USB 2.0
Connectors	**Digital Input**	HDMI x 2 (HDCP compliant)
	Computer Input 1	15-pin mini D-sub x 1
	Computer Input 2	15-pin mini D-sub x 1
	Computer Monitor Output	15-pin mini D-sub x 1 (shared with computer in 2)
	Video Input	
	S-Video	N/A
	Composite Video	RCA jack x 1
	Component Video	15-pin D-sub x 2 (shared with computer in 1/2)
	Audio Input	3.5 mm stereo mini jack x 1, RCA jack (L/R) x 1, MIC-in 3.5 mm mini jack x 1
	Audio Output	3.5 mm stereo mini jack x 1
	Network LAN Wired	RJ-45 port (10 base-T / 100 base-TX)
	Network LAN Wireless	USB-A, IEEE802.11 b/g/n - optional wireless adapter required
	USB	Type A x 2 (PC-less presentation, wireless adapter) Type B x 1 (USB display or mouse control)
	Control Terminals	9-pin D-sub x 1 (RS-232 control)
Ratings & Warranty	**Power Supply**	AC100-120V / AC220-240V, 50/60Hz
	Power Consumption	360W
	Operating Temperature	32°F - 104°F (0°C - 40°C)
	Dimensions (W x D x H)	14.8" x 14.2" x 5.3" (excluding protruding parts)
	Weight	Approximately 9.9 lbs
	Approvals	UL 60950-1 / cUL, FCC part 15 subpart B Class B
	Warranty	3 year limited parts and labor Extended Service Contract available (additional cost)

* Actual lamp life will vary by individual lamp based on environmental conditions, selected operating mode, user settings and usage. Hours of average lamp life specified are not guaranteed and do not constitute part of the product or lamp warranty. Lamp brightness decreases over time.

** Actual filter life will vary by individual filter based on environmental conditions, selected operating mode, user settings and usage. Hours of average filter life specified are not guaranteed and do not constitute part of the product warranty.

*** If you need a USB connection longer than 15 feet, please use a "USB Active cable" which supports USB 2.0 or later. If you need to use a USB HUB between the PC and Projector, no more than one is recommended.

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